

1 10. The method of Claim 2, further including the step of determining a transaction
2 execution threshold period that reflects a period of time needed for said participant to
3 execute operations for transactions, wherein said particular value is based on said
4 transaction execution threshold period.

1 11. The method of Claim 1, wherein:
2 said transaction specifies a modification to an item of data; and
3 said participant determines whether said transaction satisfies termination criteria
4 before allowing another modification specified by another transaction for said
5 item of data.

12. A method of managing a distributed transaction, the method comprising the steps of:
determining a set of one or more transaction execution periods for transactions
executed by a participant that participates in distributed transactions, wherein
each transaction execution period of said set of one or more transaction
execution periods reflects the period of time that elapsed for said participant to
execute said each transaction;
if a difference between each of said set of one or more transaction execution periods
and a transaction execution threshold period satisfies adjustment criteria, then
adjusting said transaction execution threshold period; and
wherein termination criteria used to determine whether to terminate said distributed
transaction is based on said transaction execution threshold period.

1 13. The method of Claim 12, wherein said adjustment criteria include a criterion that said
2 difference is so great that each of said set of one or more transaction execution
3 periods lies outside a range based on said transaction execution threshold period.

1 14. The method of Claim 12, further including the steps of
2 monitoring a network for changes in latency of the network; and
3 generating one or more time period values based on said changes in latency, wherein
4 said termination criteria include a criterion based on said one or more time
5 period values.

1 15. A method of managing a distributed transaction, the method comprising the steps of:
2 monitoring latency of a network, wherein said latency of said network is used to
3 generate one or more time period values used to determine whether to
4 terminate distributed transactions; and
5 if changes in latency satisfy adjustment criteria, then adjusting said one or more time
6 period values used to determine whether to terminate said distributed
7 transaction.

1 16. A computer-readable medium carrying one or more sequences of instructions for
2 managing a distributed transaction, wherein execution of the one or more sequences
3 of instructions by one or more processors causes the one or more processors to
4 perform the steps of:
5 gathering latency information by monitoring latency of a network;

6 generating one or more time period values based on said latency information;
7 determining whether to terminate distributed transactions based on said one or more
8 time period values;
9 determining whether said latency information indicates that changes in the latency of
10 said network satisfy adjustment criteria; and
11 if said latency information indicates that changes in the latency of said network satisfy
12 adjustment criteria, then adjusting said one or more time period values.

1 17. The computer-readable media of Claim 16, wherein a participant participating in said
2 distributed transaction executes a transaction from said distributed transaction and
3 terminates said transaction based on termination criteria that includes at least one
4 criterion based on a particular value from said one or more time period values.

1 18. The computer-readable media of Claim 17, wherein said distributed transaction is
2 managed by a coordinator that cooperates with said participant to execute the
3 distributed transaction by communicating messages with the participant over the
4 network.

1 19. A computer-readable medium carrying one or more sequences of instructions for
2 managing a distributed transaction, wherein execution of the one or more sequences
3 of instructions by one or more processors causes the one or more processors to
4 perform the steps of:

5 determining a set of one or more transaction execution periods for transactions
6 executed by a participant that participates in distributed transactions, wherein
7 each transaction execution period of said set of one or more transaction
8 execution periods reflects the period of time that elapsed for said participant to
9 execute said each transaction;
10 if a difference between each of said set of one or more transaction execution periods
11 and a transaction execution threshold period satisfies adjustment criteria, then
12 adjusting said transaction execution threshold period; and
13 wherein termination criteria used to determine whether to terminate said distributed
14 transaction is based on said transaction execution threshold period.

1 20. A computer-readable medium carrying one or more sequences of instructions for
2 managing a distributed transaction, wherein execution of the one or more
3 sequences of instructions by one or more processors causes the one or more
4 processors to perform the steps of:
5 monitoring latency of a network, wherein said latency of said network is used to
6 generate one or more time period values used to determine whether to
7 terminate distributed transactions; and
8 if changes in latency satisfy adjustment criteria, then adjusting said one or more
9 time period values used to determine whether to terminate said distributed
10 transaction.